



### ***How to Perform Your Land Cover/Biology Investigation***

#### ***Qualitative Land Cover Sample Site Protocol***

Students locate, photograph, and determine the MUC class for 90 m x 90 m areas of homogeneous land cover.

#### ***Quantitative Land Cover Sample Site Protocol***

Students locate and photograph 90 m x 90 m areas of forest, woodland, or grassland, take measurements of the properties of the vegetation, and determine the MUC class.

#### ***Biometry Protocol***

Students measure properties of vegetation and identify species.

#### ***MUC System Protocol***

Students use the MUC System to classify land cover

#### ***Manual Interpretation Land Cover Mapping Protocol***

Students delineate different areas of land cover as seen on their TM image.

#### ***Unsupervised Clustering Land Cover Mapping Protocol***

Students use MultiSpec to perform unsupervised clustering of their TM image and then assign MUC classes to every cluster to obtain a land cover map.

#### ***Accuracy Assessment Protocol***

Students use observations of validation Land Cover Sample Sites to construct a difference/error matrix and determine the accuracy of their land cover maps.